

**REMARKS**

Claims 1, 3 and 5-21 are pending in this application. By this Amendment, claims 1, 8, 9, 14 and 17 are amended, and claim 22 is canceled without prejudice or disclaimer. Various amendments are made for clarity and are unrelated to issues of patentability.

The Office Action objects to claim 22. By this Amendment, dependent claim 22 is canceled. Withdrawal of the objection is respectfully requested.

The Office Action rejects claims 8-9 and 14 under 35 U.S.C. §112. It is respectfully submitted that the above amendments obviate the grounds for rejection. Withdrawal of the rejection is respectfully requested.

The Office Action rejects claims 1, 3, 14-15 and 22 under 35 U.S.C. §102(b) by newly-cited U.S. Patent 5,754,155 to Kubota et al. (hereafter Kubota). The Office Action also rejects claims 5 under 35 U.S.C. §103(a) over Kubota in view of U.S. Patent 6,756,958 to Furuhashi et al. Still further, the Office Action rejects claims 6-7 and 16-21 under 35 U.S.C. §103(a) over Kubota in view of newly-cited U.S. Patent 6,118,425 to Kudo. The Office Action also rejects claims 8-13 are rejected under 35 U.S.C. §103(a) over Kubota, Kudo and newly-cited U.S. Patent 5,786,794 to Kishi et al. The rejections are respectfully traversed with respect to the pending claims.

Independent claim 1 recites a scan driving unit for controlling an upper voltage value and a lower voltage value which are applied to an Integrated Circuit (IC) for driving a scan electrode of a flat display panel, wherein the scan driving unit comprises an amplifying unit for at least one of amplifying the upper voltage value applied to the scan driving unit to a predetermined level or

converting the upper voltage value applied to the scan driving unit to a current and amplifying the converted current to a predetermined level.

For example and as one non-limiting example, amplifying unit 320 of the present specification may serve as a buffer and to amplify a voltage or a current. See page 9, lines 13-24 of the present specification.

The applied references do not teach or suggest all the features of independent claim 1. The Office Action cites Kubota's buffer amplifier 14 as corresponding to the claimed amplifying unit. See FIG. 2. However, Kubota's buffer amplifier unit 14 only serves as a buffer for outputting an inputted voltage to a same level. See Kubota's col. 9, lines 42-48. Accordingly, Kubota does not teach or suggest amplifying an upper voltage value applied to a scan driving unit to a predetermined level, as recited in independent claim 1. Additionally, Kubota does not teach or suggest converting the upper voltage value applied to a scan driving unit, and amplifying the converted current to a predetermined level.

Accordingly, Kubota does not teach or suggest all the features of independent claim 1. Furuhashi, Kudo, and Kishi do not teach or suggest the features of independent claim 1 missing from Kubota. Thus, independent claim 1 defines patentable subject matter.

Independent claim 14 recites a scan driving unit to control an upper voltage value and a lower voltage value to be applied to a circuit for driving a scan electrode of a flat display panel, the scan driving unit including an amplifying unit for at least one of amplifying the upper voltage value applied to the scan driving unit to a predetermined level or converting the upper voltage

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value applied to the scan driving unit to a current and amplify the converted current to a predetermined level.

For at least similar reasons as set forth above, the applied references do not teach or suggest all the features of independent claim 14. Thus, independent claim 14 defines patentable subject matter at least for this reason.

Accordingly, each of independent claims 1 and 14 defines patentable subject matter. Each of the dependent claims depends from one of the independent claims and therefore defines patentable subject matter at least for this reason. In addition, the dependent claims recite features that further and independently distinguish over the applied references.

### **CONCLUSION**

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1, 3 and 5-21 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this,

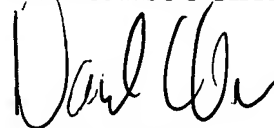
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concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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